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Configuration Manual

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PREFACE

This is the configuration guide for Valesa Touch Panel. The information in this document may be modified without notice and EAE Technology Co. assumes no commitments.

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1. Introduction

EAE Group which has distributors and authorized dealers in 95 countries is a leading manufacturer of electrical products in Turkey with more than 2.500 employees worldwide. EAE Technologies is established as a member of EAE Group to create and provide pioneering hardware and software products and complete system solutions for building automation and management. Our vision is to transform the current building automation industry via cutting-edge user interface design and powerful backend algorithms.

1.1 About EAE Technology

We believe that creating energy efficient buildings having comfortable atmosphere must be much simpler and affordable than traditional solutions. We will always provide expandable and interoperable solutions, fully customizable to customer's real needs and wants, avoiding proprietary, disconnected and closed system solutions.

As EAE Technology, we develop value added solutions for international markets in our R&D center. We continue to develop innovative products in smart home and buildings industry, and deliver all our products in accordance with international, open standards such as KNX, DALI, TCP/IP and WiFi.

To this end, we are proud to introduce building management system, Hyperion visualization & control software and our basic line of KNX & DALI devices to the World, bringing technology of the future to the building infrastructure, software and field equipment.

1.2 About Valesa Touch Panel

Valesa Touch Panel is a product in EAE Technology product range with the purpose of monitoring and controlling various smart home applications. Some features include communicating with Intercom, cameras and concierge services. Valesa Touch Panel has an 11.6" Full HD LG touch screen. Elegant design with a thickness of only 10mm, Valesa offers total of 8 isolated binary inputs and 6 (220V 5A) outputs. <u>Note that</u> there are two versions of



Valesa, with or without relay outputs. For more information please contact us: www.eaetechnology.com.

3. Smarthome Configuration Software

Open "Smarthome Configuration" windows application. Create a new project. Apply the steps described below one by one and avoid skipping any step.



Click Settings tab and follow the steps below.

roject Details		
> Sakir		
+		2
lenu	Settings	Sip server ip address
Site Management	SIP Site Server DNS Language	
Cameras	IP Address	IP Address
L Concierge	Password	Password
1 Security		
A Block		1234
Intercom		
Settings		



	3	
		_
Settings	Site server ip address	
SIP Site Server Site Server DNS Language		
Ip Address	Ip Address	
URL	URL	
	https://eael	echnology.com
	This address is only for testing. When you have a project later on you should have domain address especially for this project.	
	Settings SIP Site Server Site Server DNS Language Ip Address URL	Settings SIP Site Server DNS Language Ip Address URL URL URL This address is only for testing. When you have a project later on you should have domain address sepecially for this project

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Project Details		
> Sakir		
•		
Menu	Settings	
Site Management	SIP Site Server Site Server DNS Language	
Cameras	Method	O DHCP Static
L Concierge		
L Security		
A Block		
Intercom		
Settings		



3.1 Site Management & Security & Concierge

Site managers, security personnel and people responsible for concierge services are given a software to communicate with residents through touch panels. This software has its own SIP ID and is used to send/receive messages to/from residents. In addition, calls can be made to these services with this software. For the concierge section, any service box you check in the configuration section will make it available on the screen. Other parts of configuration are the same for all three.

EAE		
-1+2 flat 1+3 flat		Username of the site manager
Menu	New	Site Managers
Site Management	Name Surname	Name Surname
Cameras	Username	Username Password of the site manager
L Concierge	Password	• •••••
L Security	SIP No	Minimum 100 - Maximum 99999
A Block		
Intercom		Enter the SIP ID of
Settings		Site Hidrager

3.2 Cameras

You can add cameras to the touch panel either through an NVR device or directly from the network. To find out rtsp url of cameras on an NVR, refer to NVR documentation. Also, different camera brands may have different rtsp URL structures. Cameras to be added to the touch panel need <u>rtsp</u> <u>stream capability with h264 codec</u>. You may need to configure the cameras to enable these features.

Menu	New		Cameras
Site Management	Name	Name	No record created
Cameras	RTSP URL	rtsp://192.168.1.11	_
L Concierge	RTSP URL of		l i i i i i i i i i i i i i i i i i i i
L Security	the camera		
A Block			
Intercom			
Settings			

3.3 Block



Click on the Block tab and create Block for the project. More information about <u>Blocks</u> at section 1.5.



3.4 Apartment

To add apartments into the blocks <u>apartment types</u> should be defined.

EAE		Example: 1+1 . 1+3	
Project Details C b Valesa doma	lick on the add outton and create partment types	etc.	
Menu	New		Site Managers
I Site Management	Name Surname	Name Surname	• No record created
Cameras	Username	Username	
1 Concierge	Password	······	
L Security	SIP No	Minimum 100 - Maximum 99999	
A Block			
Intercom			
Settings			



Click on an apartment type you have just created. You will be taken to a configuration page consisting Safety, Alarm and Logic.

3.3.1 Safety

AE Valesa_demo 1+1 1+2 Living room 1+3					KNX group address of mechanical equipment to stop gas, water etc.	Projects	Language
Menu	Safety						
▲ Safety	Gas		Electric	0/0/9	City Water 0/0/0		
🖲 Alarm	Gas Status		Electric Status		City Water Status 0/0/0		
C Logic	Is Door Bell Availa	ble ?	O Yes 💿 No				
		Optional Door Bell configuration.		IMPORTANT: on the touch p this operation	Only the 8th relay input banel is available for		H

3.3.2 Alarm

Alarms can be configured in two ways: KNX-based alarms and Contact alarms.

KNX alarm occurs through KNX port and touch panel may control other interfaces according to the alarm.

Contact alarm occurs through relays on the panel and again touch panel can control other interfaces.

EAE			Projects Language
Project Details			
 Valesa_demo 1+1 1+2 Living room 1+3 			
Menu	Alarm		
▲ Safety	Alarm Panel Type	Software & Hardware alarms	
Alarm	Alarm Panel Type		
Logic		KNX Input / TP Input DSC	E I



Menu Safety	Alarm		7
Safety			
	Alarm Panel Type	Alarm	Input
	Alarm Panel KNX Input / TP Input	Zone / Siren Siren	No record created
C Logic		Group 0/0/0 Address	_
		Active Value 0	•

EAE				
+ 🗾 🗶				
Menu	Alarm			
▲ Safety	Alarm Panel Type	Alarm		Input
Alarm	Alarm Panel Type KNX Input / TP Input	Zone / Siren	Zone	No record created
C Logic		Name	Name	
		Alarm Type	Stay	
	Pick alarm type 1- Stay mode	Input Type	KNX Input -	KNX Input
	2- Away mode 3- Safety mode	Group Address		TP Input
		Active Value	0 •	
	KNX bit			_
	Value)		

Zone: Area of the alarm such as living room, corridor etc.

Pick alarm type:

- 1- Stay mode: Alarm mode used when resident is home. Window contacts, door contacts or any device to be activated when resident is home.
- 2- Away mode: Alarm mode used when resident is away. Any device that is activated in Stay Mode, plus other devices such as PIR detectors.
- 3- Safety mode: Sensors such as smoke detectors, flood detectors or any other safety device is added with this option.

KNX Input – KNX based alarm input option



TP Input – contact alarm input type option (input relays on the touch panel)

3.3.3 Logic

AE + 🛛 🗶			Various conditionals can be defined here including KNX-		Projects Lang
Menu	Conditions	Logic operation for Security/Safety alarms (and/or)	TP Inputs and outputs.	+	Logics
 Alarm 	action1	ety Alarm	And On Security Alarm		action1
Logic	² KNX Inpu	t • 1/1/0 1 •	Or TPInput • 1 • 7	- 🗶 🛨	Software or
Each line is logical and" to each other	Actions	• 0 • 3 •	Each condition on the		hardware outputs to be added
			same line is logical "or" to each other	÷	
				CLEAR × H	

Click on the project -> Block -> Block Details -> Apartment and enter the parameters for the apartment.

Enter the parameters for each apartment by selecting the apartments under "Block Details" menu.

EAE					
Valesa_demo 1+1 flat 1+2 flat 1+3 flat	Click on the project				
Menu	Edit	1) Apartment ada		Block Details)
Site Management	Block Apartment	Pick	apartment	▼ A	
Cameras	Apartment No	1 type		1) Apartment ada	IJ
L Concierge	Profiles	1+3 flat	Enter touch panel IP	2) Apartment	
L Security	Ip Address	192.168.0.88		3) Apartment	
f Block	SIP No	101	Enter touch panel SIP ID	4) Apartment	
Intercom)	
A Cottingo					_

3.4 Rooms

Next step is to create rooms for each apartment type. To do so, click on the desired apartment type and add a room.



EAE	
Project Details	
Valesa_demo Image: Valesa_demo Click on a type Image: Valesa_demo Image: Valesa_demo Image: Valesa_demo Image:	
+ 🗾 🗙	

Once a room is created, you will be presented with KNX group parameters for Lighting, Blinds, Air Conditioning and General controls.

3.4.1 Lighting

EAE				
Valesa_demo 1+1 1+2 Living room 1+3				
× ×				
Menu	New			Lightings
2 Lighting	Name	Name		• No record created
Blind	On / Off	0/0/0		
Conditioning	On / Off Status			
🕈 General Control	Dim			
	Dim Status	0/0/0		
			н	

Following visuals are examples for the configuration of the touch panel. KNX group parameters depend on the one who configures the ETS.



KNX Side configuration:

- $0/1/0 \rightarrow$ Move blind
- 0/1/2 -> Status height
- 0/0/1 -> Lights On/Off
- 0/0/5 -> Lights Status
- ETS Edit Workplace Commissioning Diagnostics Apps Window

	ex. Group Addresses * Vertex Commission (Part & Com	ood - Imis Print Object Object Nove is Nove	ject Function Description b blind/hutter adjustment/hop. te to position hel livingRoom_blind to s reference mo us height us lower and posi te blind/hutter adjustment/hop te position hel te slat: s uper end posi te blind/hutter adjustment/hop te to position hel te blind/hutter adjustment/hop te to position hel te blind/hutter	Group Addret Length 1 bit 1 bit 0/V0 1 byte 1 byte 1 byte 1 byte 1 bit 1 bit 1 bit 1 bit 1 bit 1 bit 1 bit 1 byte 1 byte 1 byte 1 byte 1 byte 1 bit 1	C R W T U Data Type Priority C - W - up/dom Low C - W T - percentag Low C W - - percentag Low C R - T - state Low C W - up/dom Low C W - C W - up/dom Low C W - C W - up/dom Low C W - C W - upform Low C W - C W - upform Low C W - C W - upform Low C W - C W - up/dom Low C W C W -<	Search	A
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I had bit had ball, do depice is might I had ball, do depic	1.1.6 6/37/101 Switch Actuatry.B Charmed 16A 1.1.6 6/37/101 Switch Actuatry.B	Output B S	Status Switch	1 bit	C R - T - switch Low		
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fig2 Output G Switch 1 bit C W	unt so unt so unt so unt so unt so Group Object	Output F S	Status Switch	1 bit	C R - T - switch Low		
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	Group Object	Output H S	Switch	1 bit	C - W switch Low		
Group Objects / Parameter 4 Add Group Addresses * Image: Addresse * 1 Add Group Addresses * Name Description Centric Pass T, Deat Type Length No. of Last Value 10 Orup Addresses * Name Description Centric Pass T, Deat Type Length No. of Last Value	Group Object						
Group Addresses *							
Addresses [* X Delete © Denokad [*] mio * 27 Rest © Unload * 88 Pint Search Search Search Search Search Search	Group Addresses *	cts Parameter					^
Concup Addresses Addresses Addresses Addresses Name Description Centry Pass Description Centry Pass Description No No No Pass Description No No No Pass Description No Description No Description Description Description No Description No Description No Description Description Description Description No Description Descriptin Description Description Descriptin Descriptin	🛨 Add Group Addresses * 🗙 Delete 👲 Download * 🕕 Info * 🐒 R	cts Parameter			_	Search	
Comparation Folders 100 livingRoom blind_move No No percenta 1 byte 1	II Group Addresses Address * Nam	cts / Parameter / Reset & Unload + ann Print			alue		
100 Mar Internet State 1	Dynamic Folders	cts Parameter / Reset & Unicad * anti Print Ime Description	Centre Pass T Data Type I	Length No. of Last Val			
A 🗱 O Skate I Bate we invinginoom_conta_status No No Pro percenta Loyte i	a 🔀 0 3.kat	Reset O Unload The amplitude O Unload The	Centre Pass T Data Type I No No percenta 1	Length No. of Last Val 1 byte 1			
1 BB (00 sydnlatma	HB 0/0 aydinlatma	cts Parameter / Reset © Unload + anti Print me Description gRoom_blind_move gRoom_blind_Status	Centre Pass T Data Type No No percenta 1 No No percenta 1	Length No. of Last Val I byte 1 I byte 1			

Once the KNX groups for desired controls are created, group addresses must be written as parameters to touch panel configuration sections.



EAE						Projects	Language 👻
+1 							
Menu	Edit	LR Lights		Lightings			
2 Lighting	Name	LR Lights		Name			
Blind	On / Off	0/0/1		LR Lights			
Conditioning	On / Off Status	0/0/5					
General Control	Dim						
	Dim Status						
			CLEAR 🗙 💾				

3.4.2 Blind

To control the blinds KNX side should be programmed with relevant Group objects. EAE RCU is preferred for the control of Blinds.

EAE							
← 1+1 -→ 1+2 Living room -→ 1+3							
Menu	New			Blinds)	
✿ Lighting	Name Move To Position	LV Blind		O N	Straightforward process as Group addresses are already defined on ETS		
Blind Conditioning	Move To Position Status	0/1/2)	
General Control	Move Slat						
	Move Slat Status		H				
			_				



3.4.3 Conditioning

Most of the work is done on the KNX side for this section. KNX configuration should give an insight into configuring this part. For more information refer to document EAE KNX Thermostat Product Manual.

EAE					
Project Details					
Apple Carden Lage 1-2 Living Room Badmoon Room Kitchen Lastivoom					
× ×					
Menu	Conditioning			Conditionings	
2 Lighting	Name	Name		Name	
II Blind	Thermostat Control Type	Hot			
Conditioning	Is Fan Available ?	O Ves	No		
2 General Control	Is Slat Available ?	O Yes	No	Select Control Type Parameters change	
	Current Temperature Status			respectively	
	Set Temperature				
	Set Temperature Status				
	0n / Off				
	On / Off Status				
				H	

3.4.3.1 Hot or Cold

KNX Groups should be created prior to commence configuring this step.





3.4.3.2 Hot / Cold

EAE					Projecto Language -
-Beforen Hoom -Kitchen -Bathroom					
2					
Menu	Conditioning			Conditionings	
2 Lighting	Name	Name		^ Name	
Bind	Thermostat Control Type	Hot / Cold			
Conditioning	Is Mode Control Automatic ?	O Yes	No		
🕈 General Control	Mode Type				
	Mode Type Status			Thermostet aroun philat	
	Mode Control Object Type	1 Bit	O 1 Byte	Thermostat group object	
	Usage Type	O Multi Type	 Single Type 		
	Is Fan Available ?	O Ves	No		
Double fan configuration	Is Slat Available ?	O Ves	No		
	Current Temperature Status				
	Set Temperature				
	Set Temperature Status				
	0510#				
				All addresses are Thermostat Object linked	

3.4.4 General Control

General Control section enables to send custom KNX On/Off commands to KNX bus. On/Off duration time can be assigned to these operations if necessary.

3.5 Intercom

EAE				Projects Language +
+	Select a Block for the intercom			
Menu	Edit	A block main entran	Intercom	
Site Management	Name	Name configu	ration interface	
Cameras	Block		A DIOCK main entran	
L Concierge	Door Unlock URL	http://192.168.1.12		
L Security	SIP No	Minimum 100 - Maximum 99999	URL of the intercom camera	
f Block	RTSP URL	rtsp://192.168.1.11		
Intercom		CLEAR		
Settings				



5. Importing project into Touch Panel

There are 2 ways to import a project into Valesa: Communication Server User Interface or a USB.

After you are done with Smart Home Configurator navigate back to projects. Export the project to obtain a .eaeproj file.

EAE			Projects Languag	
Project Details Apple Garden 1+2			Navigate back to Projects	
Menu Ste Management Cameras Concierge Security Block Intercom	New Name Surname Username Password SIP No	Name Sumame Username	Site Managers Username siteManager	
EAE + Project Name Annie Garden	Click	to export the project.	Projects Languag	e -

5.1 Remote project import to Valesa

Out-of-the-box Valesa gets a dynamic IP address from the communication server.





To import project to Valesa remotely, login to Communication Server User Interface. Refer section 2.1.1 for more information. Once you are logged in, make sure a copy of project is uploaded and imported into Communication Server. System may not work as intended if you do not import a copy of the project file to Communication Server.

EAE Teknoloji		€♦ Çıkış
 ✓ İp Ayarla ✓ ✓ Proje Ekle(.eaeproj) 	Proje Ekle(.eaeproj) / Dokunmatik Panel Projeleriniz	Select an imported project
Site Sunucusu Dokunmatik Panel	- v Block Indeks	Select a Block
🎄 SSL Ekle	- • • • • • • • • • • • • • • • • • • •	Select Apartment
🚓 Sistem Durumu	Daire Ip	IP address of Touch Panel you want to program. IP Address shown one step before.
	Tümünü Temizle	Import the project remotely
<	EAE © Site Server Arayüzü v1.0.0	

Navigate to Touch Panel section and follow the instructions below.

5.2 Local project import to Valesa

To import the project to Valesa locally, a USB is required.

Important: In order to import the project, exported ".eaeproj" file has to be inside a folder with <u>specific name</u> "projects".

· •	 projects 				い く	Search projects	Q,
Name		^	Date modified Type	e Size			
Apr	ole Garden.ea	eproj	Create a folder called projects. Copy the exported project file inside the folder.	File	13 KB		
🥪 🔸 US	B Drive (E:)	>				✓ ひ Search USB E	Prive (E:)
	^	LAN CONTRACTOR	^	Date modified	Туре	Size	
5		Copy the folder		14 Ağu 2018 10:11	File folder		
5			J	21 Haz 2018 11:42	File folder		
5		📜 projects		27 Ağu 2018 16:52	File folder		

Next, copy the project folder (projects) to the USB. Connect USB to Valesa. If Valesa has never been programmed before, it will attempt to import the project automatically.





Else you should go through the following steps below to import a new project into Valesa:

Scenes	Scenarios	Mobile List	Mobile Authorization	Alarm Password	Panel Settings	IP Settings	System Information
			2		4.12		
	Project Import				Add		
TA	Language	1. Click o	n Panel Settings	English			AL COLOR
	Wallpaper			1		2. Click	Add button
	Volume (100%)		4		(1)		
Ser.	Incoming Call Rington	le	8 Bit Doorbell	~	×		
A A A	Indoor Ringtone	No.	8 Bit Doorbell	~	-		
	Outdoor Ringtone	a a	8 Bit Doorbell	~	-		120
			Sav	/e			
		al n	Nº 20				
^		Smart Home	Cam	era	Alarm		Service





You will be asked to select the Block/Apartment to be imported:

Once import process is successful, device will restart itself.

Note: Valesa panel background can be customized while configuring the project. Using a USB, create a new folder called "wallpapers" to the root directory of the USB. Copy your 1920x1080 .jpeg pictures into the wallpapers folder. Once you restart the panel while the USB is plugged in, you should be able to see your custom wallpapers going Settings -> Panel Settings -> Wallpaper.

6. Example project

This section covers the steps for a successful project configuration. Please refer to this section after you fully understand the sections 1-5. Unless the general aspects of the system are understood well, skipping directly to this section may confuse the reader.

6.1 Overview of the project

The project is a small site called Apple Garden with a single block. Name of the block is A Block. The 3-story block has six 1+2 apartments and following features:

- 1 Security room with an SIP Telephone
- 1 Communication server (includes SIP Server and other necessary servers)
- 1 Site manager
- 1 Internet server
- 1 intercom device



- 1 camera
- 1 Valesa Touch Panel for each apartment



Each apartment has safety equipment for gas, electric and city water systems. Each apartment has burglar alarm.

Each apartment has the following floor room plan & features:



- Living room features:

2 light groups



- 1 air conditioner
- 1 PIR for burglar alarm
- 1 magnetic door contact
- 1 siren for burglar alarm
- 1 window blind
- Bedroom features:
 - 1 window blind
 - 1 light group
 - 1 magnetic window contact
- Room features:
 - 1 light group
 - Kitchen features:
 - 1 light group
 - 1 smoke detector
- Bathroom features:

_

- 1 flood sensor
- 1 light group

6.2 Creating the Project

Smart home configurator is installed and launched. A new project called "Apple Garden" is created. There is only a single apartment type in the project, hence one 1+2 type is created.

EAE					
Project Details					
Apple Garden I+2 +	A new apa type is a	rtment dded			
Menu	New			Site Managers	
E Site Management	Name Sumame	Name Surname		No record created	
Cameras	Username	Username			
L Concierge	Password	······			
1 Security	SIP No	Minimum 100 - Maximum 99999			
A Block			н		
Intercom					

It's time to create the block and its apartments.



EAI

AE			Flujecta cang
enu	New		Block Details
Site Management	Block		No record created
Cameras	Name	A Block	
L Concierge	Apartment Count	6	
Security	Netmask	255.255.255.0	
Block	Gateway	192.168.0.1	
Intercom	DNS 1	192.168.0.1	
Settings	DNS 2	192.168.0.2	
conf	iguration	N	
conf	iguration		Other apartments are
E	iguration		Other apartments are done the same way
conf	Edit	1) Apartment 1	Other apartments are done the same way Biock Details
Conf	Edit Block Apartme	1) Apartment 1 Static IP Address of	Other apartments are done the same way Block Details
Conf	Edit Apartment No	1) Apartment 1 Static IP Address of Valesa in Apartment 1	Other apartments are done the same way Block Details
Conf	Edit Block Apartment No Profiles	1) Apartment 1 Static IP Address of Valesa in Apartment 1 1+2	Other apartments are done the same way Block Details
Conf	Edit Block Apartment No Profiles Ip Address	1) Apartment 1 Static IP Address of Valesa in Apartment 1 142 192168.0.201	Other apartments are done the same way Block Details A Block 1) Apartment 2) Apartment 3) Apartment
Conf	Edit Block Apartmet Apartment No Profiles SIP No	1) Apartment 1 Static IP Address of Valesa in Apartment 1 1+2 1+2 192168.0.201	Other apartments are done the same way Block Details A Block 1) Apartment 2) Apartment 3) Apartment 4) Apartment
Conf	Edit Block Apartment No Profiles SIP No	1) Apartment 1 T Static IP Address of Valesa in Apartment 1 1+2 192.168.0.201 301 CLEM Z M	Block Details A Block A Block A Block A Block A A Block A A A Antment A Apartment A Apartment A Apartment A Apartment A Apartment B A Apartment A Apartment B A A A Apartment B A A Apartment B A A A Apartment B A A A Apartment B A A Apartment B A A A A A A A A A A A A A A A A A A
Conf E U Ste Management Cameras Concierge Security Biosk Intercom Settings	Edit Block Apartment No Profiles Ip Address SIP No	1) Apartment 1 Static IP Address of Valesa in Apartment 1 142 192 168.0201 301 SIP ID for the Touch	Block Details A Block A Block A Block A Block A Block A A Block A A Block A A A A A A A A A A A A A A A A A A A

6.3 Configuring 3rd party devices

Each 3rd party device requires configuration for SIP. It is usually done by logging into configuration interface of each device and changing some parameters. After the completion of this step following SIP IDs are assigned to devices.

Security telephone -> 321 Intercom device -> 100 Site Manager -> 204 Concierge -> 201 Touch Panels -> 301-306

Camera is located facing the entrance door and it will be referred as <u>Door Cam</u> from this point to the rest of this document.

For this project an NVR is not be used since there is not many cameras. Hence following static IP address is given to the camera.

Door Cam -> 102.168.0.227 For more information refer to section 4 of this manual.

Configuration of 3rd party devices has been done after this step.



6.4 Configuring SIP Server

At this step, SIP users are defined in the SIP server. To do so, by logging in the SIP server URL: <u>http://192.168.0.100:8080/sip</u>

User authentication configurations are done. Next, as observed the security telephone and the intercom are registered on the SIP server. For more information refer section 2.



6.5 Configuring Valesa Settings

EAE					
Apple Garden	Click on Setting Menu				
+ Menu	Settings				
Site Management	SIP Site Server Site Server DNS	Language Coordinate	SIP Site Server IP Random password		
Cameras	IP Address	192.168.0.100			
L Concierge	Password	1234			
L Security				×	1



EAE			Projects Language •
Project Details			
Apple Garden			
•			
Menu	Settings		
Site Management	SIP Site Server Site Server D	INS Language Coordinate	URL should have SSL
Cameras	lp Address	192.168.0.100	project. Crucial for mobile
L Concierge	URL	https://applegarden.com	
L Security			×H
EAE			Projects Language •
 Apple Garden 1+2 	Coordinat weather s	e is for ervice	
Menu	Settings		
I Site Management	SIP Site Server Site Server D	NS Language Coordinate	
Cameras	Method	O DHCP () Static	
			× P

6.6 Connecting 3rd party devices to Valesa

As SIP configurations are done both for the 3rd party devices and Valesa, time has come to communicate devices with Valesa through communication server.

6.6.1 Site Management

EAE				Projects	Language -
Apple Garden					
•					
Menu	New		Site Managers		
Site Management	Name Surname	Bill Layton	No record created		
Cameras	Username	siteManager			
L Concierge	Password	• 12345			
1 Security	SIP No	204	Username & password & SIP ID are configured in		
A Block			Site Manager software		
Intercom					
Settings					



6.6.2 Cameras

Camera is given an IP address at section 6.3 and has the following rtsp URL: rtsp://192.168.0.227:554/.

EAE						
Proje Detayları						
Apple Garden						
Menü	Düzenle	Door Cam		Kameralar		
Site Yönetimi	Adı	Door Cam		Adı		
Kameralar	Kaynak Adresi	rtsp://192.168.0.227:554/		Door Cam		
1 Konsiyerj			TEMIZLE × H			
1 Güvenlik						
A Blok						
Interkom						
Ayarlar						

6.6.3 Concierge

			Projects	Language +
EAE				
Project Details				
> Apple Garden				
+				
Menu	New	Concierne		
	Name Sumame	Mallory Layton		
Site Management		No record created		
■ Cameras	Username	admin		
1 Concierge	Password	12345		
1 Security	SIP No	201		
A Block	Car Service	Username & password &		
Intercom		Resta Car		
A Settions		Site Manager software		
· Googa	Reservation			
		I reminis count		
	Cleaning	Cleaning Staff		
		Dry Cleaning		
	Technical Service	Betrician Decision		
		✓ ruites ✓ Gas		

For more information refer section 3.1.



6.6.4 Security

EAE						
Apple Garden 1+2			Be aware SI has been giv telephone in	P ID is what ven to the n section 5.3		
Menu	New		7/	Security		
Site Management	Name Surname	Security Room		No record created		
Cameras	Username	secure1				
L Concierge	Password	• 12345		Username & p	assword &	
Security	SIP No	321		Site Manager	software	
A Block			•			
Intercom						
Settings						

For more information refer section 3 & 4.

6.6.5 Intercom

EAE				Projects	Language 👻
> Apple Garden					
Menu	Edit	Main Door	Intercom		
Site Management	Name	Main Door	Name		
Cameras	Block	A Block -	Main Door		
L Concierge	Door Unlock URL	http://192.168.0.100/fcgi/do?action=OpenDoor8			
L Security	SIP No	100			
A Block	RTSP URL	rtsp://192.168.0.101:554/			
Intercom		CLEAR 🗶 H			
Settings					

For more information refer section 3 & 4.



6.7 Configuring Apartment Type

6.7.1 Safety

EAE						
Project Details					KNX group	addresses to
> Apple Garden					control saf	ety equipment
+ 🗾 🗶						
Menu	Safety					
▲ Safety	Gas	0/0/0	Electric	0/0/2	City Water	0/0/4
Alarm	Gas Status	0/0/1	Electric Status	0/0/3	City Water Status	0/0/5
C Logic						
	Is Door Bell Availab	le ?	🔿 Yes 💿 No			
						× H

6.7.2 Alarms

Although the sequence is not important, safety alarms will be created first in this case.

There are 2 safety sensors in this project: 1 smoke detector in the kitchen and 1 flood sensor in the bathroom. These sensors short their contact line in case of an alarm. Contacts 1 & 2 on Valesa will be used for safety alarms.





EAE					Projects	Language 👻
Menu	Alarm					
▲ Safety	Alarm Panel Type	Alarm		Input		
Alarm	Alarm Panel KNX Input / TP Input	Zone / Siren	Zone 👻	Name		
Logic		Name	Kitchen F/Alarm	Bathroom W/Alarm		
		Alarm Type	Safety -			
	Alarm configuration	Input Type	TP Input 👻			
		Contact Type	Closed •			
		TP Input	2 •			
						н

Burglar alarm configuration consists of 1 PIR sensor,1 magnetic window contact, 1 siren in the living room and 1 magnetic contact in the bedroom window. Magnetic contacts will be TP inputs and PIR KNX input. TP inputs 3 & 4 will be used for magnetic contacts.

Logic behind the configuration is the scenario of the alarm. There are two modes to arm the alarm: Stay & Away.

In the stay mode, window and door magnetic contacts may be activated but the PIRs. Residents may move inside the house or sleep in unless they want to open windows whose magnetic contacts been activated in stay mode. For convenience resident can disable zones individually. In example, if resident wants to open the bedroom window and arm the burglar alarm at the same time, he can disable the zone for the bedroom window, other zones will be activated but the bedroom window in stay mode.

In the away mode, all the alarms including stay mode zones will be activated. Hence, the window contacts plus PIRs will be activated. The main difference in Valesa between modes; in away mode there is a 20 second delay before the alarm is armed to let the resident leave the house. Also, when the there is an alarm in away mode, Valesa siren does not go off immediately. One-minute warning time is provided for the enter a password and disable the alarm. In contrast, stay mode does not feature any of these. In the case of an intrusion, alarm from a window contact will force the alarm to go off immediately.

For this project, door contact and PIR will be programmed in away mode. Window contact will be programmed in stay mode.

EAE					Projects	Language 👻
Menu	Alarm					
▲ Safety	Alarm Panel Type	Alarm		Input		
Alarm	Alarm Panel Type KNX Input / TP Input	Zone / Siren	Zone •	Name		
C Logic		Name	PIR	Kitchen F/Alarm		
		Alarm Type	Away -			_
	PIR configuration	Input Type	KNX Input -			
		Group Address	1/0/0			
		Active Value	1 •			
						н

In the project, magnetic contact is normally closed when the door/window is closed. If door is open, contact output is open. Hence alarm condition occurs when contact is open.

EAE					Projects Language 👻
Menu	Alarm				
▲ Safety	Alarm Panel Type	Edit		Input	
Safety Alarm Logic	Alarm Panel Type KNX Input / TP Input •	Zone / Siren Name Alarm Type Input Type Contact Type TP Input	Zone • Main D/Contact Away • TP Input • Open • 3 •	Name Bathroom Water Alarm Kitchen Fire Alarm PiR Main D/Contact Bedroom W/Contact	
	Alarm				Projects Language -
	Alarm Panel Tyne	Edit		Input	
Satety Alarm Logic	Alarm Panel Type KNX Input / TP Input •	Zone / Siren Name Alarm Type Input Type Contact Type TP input	Zone Bedroom W/Contact Stay TP Input Open 4	Name Bathroom Water Alarm Kitchen Fire Alarm PiR Main D/Contact Bedroom W/Contact	
					CLEAR 🗙 🗎





If an alarm occurs from any of the defined zones, siren will go off.

EAE			Projects	Language ~
> Apple Garden				
	Alazza			
Meria	Alam			
▲ Safety	Alarm Panel Type	Edit	Input	
Alarm	Alarm Panel KNX Input / TP Input •	Zone / Siren Siren	Name	
E Logic		Group 1/0/1 Address	Bathroom Water Alarm Kitchen Fire Alarm	
			PIR	
		Active Value 1	Main D/Contact	
	Siren configuration. KNX output address is entered.		Bedroom W/Contact	
			CLEAR	×H

6.7.3 Logic

Residents want all the lights to be turned on if there is an intrusion to the house. KNX 1/1/1 group address is created on ETS for this application.

EAE			Projects	Language 👻
L 1+2				
+ 🗾 🞽				
Menu	Conditions	Logics		
▲ Safety	•	Name		
Alarm	Lights On Theft	Lights On Th	eft	
C Logic	- 🗌 On Safety Alarm Or 👻 On Security Alarm			
	Actions			
	•			
	⁰ KNX Output - 1/1/1 1 - X			
	CLEAR 🗙 🗎			

More complex logic could be added here depending on users' desire.



6.8 Creating Rooms

Based on the floor plan shown in section 6.1, following rooms must be created:

- 1 Living Room
- 1 Bedroom
- 1 Room
- 1 Kitchen
- 1 Bathroom

For more information how to create rooms refer section 3.3.

EAE Kitcher × × New Lightings Menu Name Main Light 6 No 2/2/0 Blind Conditioning On / Off Status 2/2/1 Living Room 1st light 🕈 General Control 2/2/2 Dim Statu 2/2/3 н KNX Groups are already created in ETS EAE Bathro Edit Main Light 2 Lightings Menu Name Main Light 2 Name Move Main Light 1 ^ ¥ On / Off Blind **^** ¥ Main Light 2 Conditioning 🕈 General Control Dim 2/2/6 Living Room 2nd light Dim Status 2/2/7 CLEAR 🗙 H

6.8.1 Lighting



AE			Projects Lan
- Bedroom -Room -Kitchen Bathroom			
× ×			
/lenu	New		Lightings
🕈 Lighting	Name	Light	No record created
Blind Blind	On / Off	2/3/0	
Conditioning	On / Off Status	2/3/1	Redreem light
2 General Control	Dim	2/3/2	Bedroominght
	Dim Status	2/3/3	
			_

EAE					
-Bedroom Room -Kitchen -Bathroom					
Manu	Edit	Light		Liphtings	
✿ Lighting	Name	Light		Name	
Blind	On / Off	2/4/0		Light	
 Conditioning 	On / Off Status	2/4/1			
🝷 General Control	Dim	2/4/2		Room light	
	Dim Status	2/4/3			
			CLEAR 🗶 H		

-Bedroom -Room - <mark>Kitchen</mark> Bathroom				
× 1u	Edit	Light	Lightings	
Lighting Blind	On / Off	Light 2/5/1	Name Light	
Conditioning General Control	On / Off Status Dim	2/5/2	Kitchen light	
	Dim Status	2/5/4	Kitchen light	J

Dim Status

2/6/3



CLEAR 🗙 H

Bathroom light

6.8.2 Blind

AE						
Living Room Bedroom Room -Kitchen Bathroom						
enu X	Edit	Blind		Е	Blinds	
2 Lighting	Name	Blind			Name	
Blind	Move To Position	3/0/0			Blind	
Conditioning	Move To Position Status	3/0/1				
General Control	Move Slat	3/0/2			Living Room blind	
	Move Slat Status	3/0/3				
			CLEAR × H			

EAI						
	Bedroom -Room -Kitchen -Bathroom					
2	×			Pro de		
Menu	Lighting	Edit	Blind	Blinds		
	Blind	Move To Position	3/1/0	Blind		
•	Conditioning	Move To Position Status	3/1/1			
7	General Control	Move Slat	3/1/2		-	
		Move Slat Status	3/1/3	Bed Room blin	a	
			CLEAR 🗶 💾			



6.8.3 Conditioning

Prior to configuring the Touch Panel conditioning section, all the relevant configurations should be made on the KNX side.

EAE							
-Bedroom -Redroom -Room -Kitchen Bathroom					\		
× ×				AC in this project is cold only with Fan			
Menu	Conditioning				Conditionings		
2 Lighting	Name	Living Room AC		×	Name		
II Blind	Thermostat Control Type	Cold					
Conditioning	is Fan Available ?	Yes	O No				
2 General Control	Fan Automatic Enable Value	• 1	0 0	Fan Contr is receive	rol Speed Status ed from control		
	Fan Control Speed Automatic	6/0/0		unit i	.e. RCU2018		
	Fan Control Speed Automatic	6/0/1					
	Fan Control Object Type	O 1 Bit	I Byte				
	Fan Control Speed	6/0/2					
	Fan Control Speed Status	6/0/3					
	Is Slat Available ?	O Yes	No No	Parameters fro KNX side (ETS)	m		
	Current Temperature Status	6/0/3		>			
	Set Temperature	6/0/4					
				-			
	Set Temperature Status	6/0/5					
	On / Off	6/0/6					
	On / Off Status	6/0/7		×			
				P.			

6.8.4 General Control

Resident wants to turn on/off apartment door from the touch panel. Hence General Control feature of Valesa will be used for this case. 5th touch panel output is used for this purpose. It has been added to Living Room.

EAE					Projects Language
Project Details					
Apple Garden Ling Risom Goom Goo					
Menu	New				General Control
2 Lighting	Name	Door Light			Name
Blind	KNX Output / TP Output	TP Output		-	Door Light
Conditioning	TP Output	5		-	
2 General Control	Turn On Type	Permanent		•	
			OLEAR ×	н	



7.0 Summary

Valesa Touch Panel configuration is explained with an example in this document. One should have good knowledge in KNX to configure ETS for Valesa. For more information or any questions please contact EAE Technology: www.eaetechnology.com/